



TRV TOTAL RECOVERY VENTILATOR

Today's homes require controlled ventilation to improve the Indoor Air Quality and maximize energy efficiency.

The TRV is specifically designed for moderate/temperate geographies with winter temperatures below freezing and summer conditions that are hot and humid.
(Typically >75°F and 65% R.H.)

The TRV is a new concept in ventilation that provides the compounded benefits of moisture transfer with unmatched heat recovery in a single unit.

This new configuration is the only way to ensure year round temperature and moisture transfer.



LIFEBREATH®
THE ULTIMATE AIR EXCHANGER

- *ASHRAE 62.2 Ventilation Standards*
- *Sensible and Latent transfer for all 12 months*
- *Adjustable ventilation rates with ControlAir 15 - 5 selectable speeds*
- *Automatic damper defrost*
- *Intermittent operation*





ENGINEERING DATA

MOTORS AND BLOWERS - Each air stream has one centrifugal blower driven by a common PSC motor. 5 speed fan operation.
120 VAC, 1.5 Amps.

FILTERS - Washable air filters in exhaust and supply air streams.

MOUNTING THE TRV - Four threaded inserts at corners of case designed to accept four reinforced polyester straps that are supplied with the unit.

DEFROST - Damper defrost system.

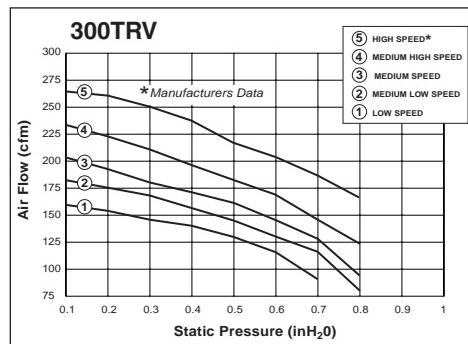
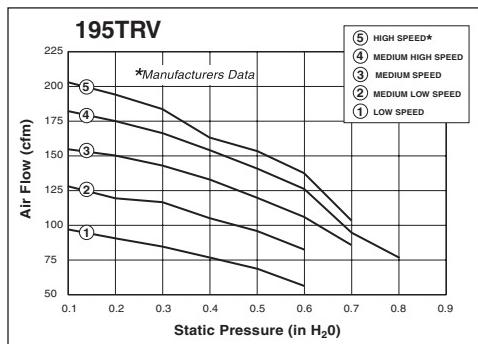
DEHUMIDISTAT - Adjustable Internal Dehumidistat.

CASE - Twenty gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated to prevent exterior condensation.
Drain connections 2 - 1/2" (12 mm) OD.

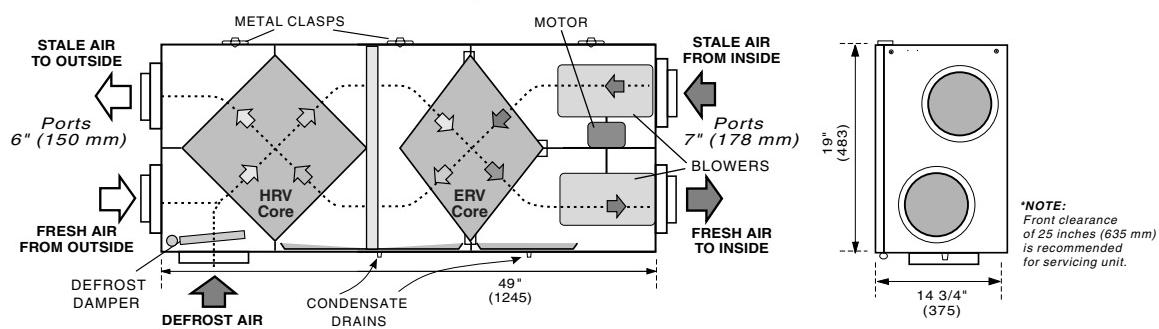
CONTROLS - ControlAir 15 - Standby/ON mode, 20 ON/ 40 OFF mode, Recirculation mode (on compatible units), (each mode has 5 speeds). Control pad can be removed from HRV and remotely mounted.

WEIGHT 106 lbs. (48 kg) **SHIPPING WEIGHT** 108 lbs. (49 kg)

PERFORMANCE			
Net supply airflow in cfm (L/s) against external static pressure		195TRV	300TRV
E.S.P @ 0.1" (25 Pa)	cfm 203	L/s (96)	cfm 265
@ 0.2" (50 Pa)	191	(90)	260
@ 0.3" (75 Pa)	182	(86)	250
@ 0.4" (100 Pa)	167	(79)	235
@ 0.5" (125 Pa)	155	(73)	220
VAC @ 60HZ	120		120
WATTS / Low speed	100		150
WATTS / High speed	173		333
Amp rating	1.5		2.9



DIMENSIONS 195TRV/300TRV inches (mm)



OPTIONS

- 99-104 Digital Electronic Timer - 20/40/60 min.
- 99-350 Lifestyles Ventilation Control includes Programmable Time Clock and Dehumidistat
- 99-109 Air Sentry™ Air Quality Monitor designed to accept remotely mounted Control Pad
- 99-250 Ventilation Dehumidistat - Dehumidistat designed to accept remotely mounted Control Pad.

- 99-160 Duct Heater w/ Electronic SCR Thermostat, 1 Kw, 7" (178 mm)
- 99-161 Duct Heater w/ Electronic SCR Thermostat, 2 Kw, 7" (178 mm)
- 99-186 Weatherhoods, Two - 6" (150 mm) c/w 1/4" (6mm) mesh screen

WARRANTY Units carry a LIFETIME warranty on the heat recovery core, a five year warranty on the ERV core and a 5 year replacement parts warranty.

All units conform to CSA and UL standards.



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